**ITWorks – Test Plan**

**Enrollmnet System**

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**Revision History:**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author(s) | Change Description |
| 1.0 | 14-06-21 | Jack Church | First draft. |

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# Introduction

The testing that will take place is to verify the classes for TAFE SA Enrollmnet system have created relating to their ticketing system functionality. As there isn’t any front-end interface to this application yet, testing the classes will need to be done with a headless testing application, such as JUnit.

## Test Plan Objectives

* Setup and configure test classes in NetBeans to:
  + Provide data to input into the classes that are being tested.
  + Interface with Jnit.
  + Creating of main classes to test classes of overridden alghorithms.
  + Run deskchecks.
* Only one tester is required for this project. ITWorks’ Test Manager will select that individual.

# Scope

## In Scope

* Setup and configuration of NetBeans.
* Setup and configuration of JUnit.
* The selection of test cases.
* Creation of a test plan.
* Provide test cases and scripts to follow.
* Provide the result of testing.

## Out of Scope

* Modification of source code beyond what is necessary for testing.
* Advice on how to resolve found failures.
* Any testing beyond the provided classes or test cases.
* All testing apart from Unit Testing.

# Test Strategy

## Unit Test

Unit Tests will provide getter and setter coverage required object class.

## Other Tests

Not applicable. This test is not concerned with other tests.

# Test Schedule

* Ramp up / System familiarization 14/06/2021
* Unit Test 14/06/2021

# Functions To Be Tested

* The following is a list of functions that will be tested:
  + Creation of various students, courses and enrollments.
  + Use of classes for sorting and searching.

# Resources and Responsibilities

## Resources

* 1 x Tester
* 1 x Test Manager
* 1 x Product Owner

## Responsibilities

|  |  |
| --- | --- |
| Test Manager: | Responsible for schedules, communication to the Product Owner and Change Control Board. |
| Testers | Responsible for creating and executing tests. |
| Product owner | Will lease with the Test Manager to communicate information regarding the project. |

# Dependencies

## Personnel Dependencies

* Testers who know the C# programming language.
* Testers have no personal reasons for not being able to perform the tests.

# Risks

## Personnel Risks

* The risk of one tester not being available to test on the day can be mitigated by requesting the second tester on standby.
* The tests to be performed can be done in one day by one tester.

# Approvals

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| ITWorks Testing Manager Signature |  | Printed Name |  | Date |
|  |  |  |  |  |
| SAAirline ICT Manager Signature |  | Printed Name |  | Date |